

**INCH-POUND**

MIL-DTL-29183/15A  
13 March 2003  
SUPERSEDING  
MIL-P-29183/15  
18 June 1990

## DETAIL SPECIFICATION SHEET

PANELBOARD, POWER DISTRIBUTION,  
PORTABLE, WEATHERPROOF, TYPE I, CLASS 1,  
CONFIGURATION 2: 208Y/120 VOLT, 15 KILOWATT

Inactive for new design after 13 March 2003

This specification is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of MIL-DTL-29183 listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.

REQUIREMENTS: The distribution panel shall be as specified herein and in accordance with tables I and II, and figure 1. Required accessory equipment shall be as specified in table III.

### Physical:

Weight: The weight shall not exceed 105 pounds (48 kilograms).

#### Dimensions (maximum):

Length: 36.0 inches (914 millimeters (mm))

Width: 16.0 inches (406 mm)

Height: 20.0 inches (508 mm)

Hinged access panel: Not required (see MIL-DTL-29183).

Stability: The vertical center of gravity shall be not more than 11.0 inches (280 mm) above level ground. Additional stability requirements shall apply in accordance with MIL-DTL-29183.

Lifting attachments: Crane lifting attachments are not required (see MIL-DTL-29183).

Electrical:

Input: The input to the distribution panel shall be 208Y/120 volt (V), 3-phase (ø), 4-pole (P), 5-wire (W), 60 Hertz (Hz).

Bus capacity: The bus bar capacities shall be 60 amperes (A) (see figure 1).

Circuit breaker: The number of poles and current rating shall be as indicated in table I herein and the voltage rating shall be sufficient for the intended circuit.

PIN: The government part identification number (PIN) is as follows:

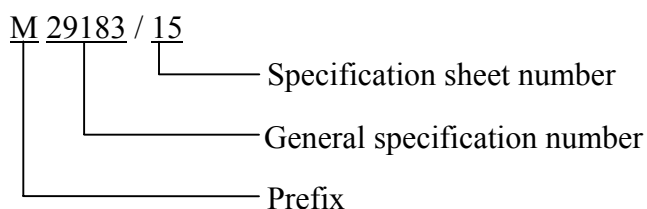


TABLE I. Circuit characteristics.

Quantity	Circuit kind	Circuit breaker Pole (P) - Ampere (A)	Interface connector
1	208Y/120V, 3-phase, 5W	3P-60A	MS90558C32412P <sup>1</sup> (input)
1	208Y/120V, 3-phase, 5W	3P-60A	MS90555C32412S <sup>1</sup>
12	120V, 1-phase, 3W	1P-20A	NEMA L5-20R <sup>2</sup>

<sup>1</sup> Connector designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

<sup>2</sup> Connector designations are National Electrical Manufacturers Association (NEMA) type numbers.

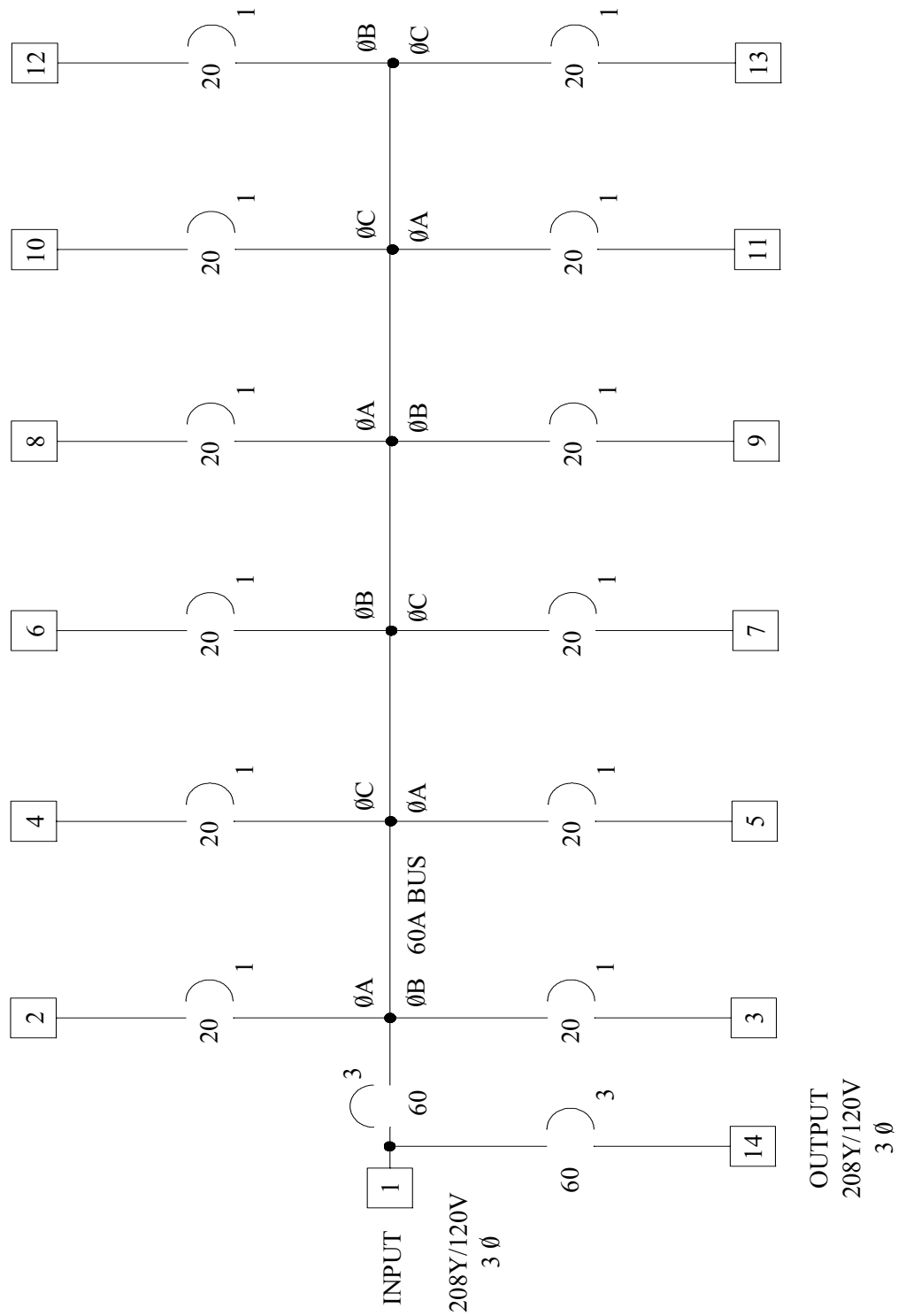


FIGURE 1. Single-line wiring diagram.

TABLE II. Connector assignment and connector terminal wiring.

Circuit	Function	Interface connector	Phase A, black wire	Phase B, red wire	Phase C, blue wire	Neutral, white wire	Ground, green (bare) wire
1	Input	MS90558C32412P <sup>1</sup>	A	B	C	N	G
2, 5, 8, 11	Input	L5-20R <sup>2</sup>	X <sup>3</sup>			W	G
3, 6, 9, 12	Branch	L5-20R <sup>2</sup>		X <sup>3</sup>		W	G
4, 7, 10, 13	Branch	L5-20R <sup>2</sup>			X <sup>3</sup>	W	G
14	Branch	MS90555C32412S <sup>1</sup>	A	B	C	N	G

<sup>1</sup> Connector designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

<sup>2</sup> Connector designations are National Electrical Manufacturers Association (NEMA).

<sup>3</sup> Unmarked terminal.

TABLE III. Required accessory equipment.

Item	Quantity	Description	Part number
1	1	MIL-C-22992, class L, 60A wall mount, plug, with coupling ring, connector	MS90558C32412P <sup>1</sup>
2	1	Protective cover (plug) for item 1	MS90564-3C <sup>1</sup>
3	12	NEMA type, connector, locking	L5-20R <sup>2</sup>
4	12	Protective receptor cover (cap) for item 3	NEMA standard
5	1	MIL-C-22992, class L, 60A, box mount socket receptacle	MS90555C32412S <sup>1</sup>
6	1	Protective cover (cap) for item 5	MS90563-3C <sup>1</sup>

<sup>1</sup> Designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

<sup>2</sup> Connector designations are National Electrical Manufacturers Association (NEMA).

Custodians:

Army - CR4

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Preparing Activity:

DLA - GS2

(Project 6110-0443-010)

Review Activities:

Navy - MC, MS

# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

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1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
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<b>I RECOMMEND A CHANGE:</b>		<b>1. DOCUMENT NUMBER</b> MIL-DTL-29183/15A	<b>2. DOCUMENT DATE (YYYYMMDD)</b> 20030313
<b>3. DOCUMENT TITLE</b> PANELBOARD, POWER DISTRIBUTION, PORTABLE, WEATHERPROOF, TYPE I, CLASS 1, CONFIGURATION 2: 208Y/120 VOLT, 15 KILOWATT			
<b>4. NATURE OF CHANGE</b> <i>(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)</i>			
<b>5. REASON FOR RECOMMENDATION</b>			
<b>6. SUBMITTER</b>			
a. NAME <i>(Last, First, Middle Initial)</i>		b. ORGANIZATION	
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c. ADDRESS <i>(Include Zip Code)</i> ATTN: DSCR-VBD (C. Hammond) 8000 Jefferson Davis Highway Richmond, VA 23297-5610		<b>IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:</b> DEFENSE STANDARDIZATION PROGRAM OFFICE (DLSC-LM) 8725 John J. Kingman Road, Suite 2533 Fort Belvoir, VA 22060-6221 Commercial: (703) 767-6888 DSN: 427-6888	